

(C) WPI/Derwent

AN - 1993-039377 [05]

A - [001] 014 02& 034 07- 08& 09& 10- 101 130 133 135 137 15& 18& 18- 20- 228 27& 28& 294 347 353 44& 524 546 658 679 688 691

- [002] 014 02& 028 034 07- 074 08& 09& 10- 130 133 135 137 143 144 147 15& 18& 18- 198 20- 228 27& 294 336 348 353 431 433 435 438 44& 443 477 524 546 575 59& 596 658 679 688 691 720

AP - JP19910139056 19910611

CPY - BRER

DC - A12 A14 A89 E19 E24 G06

FS - CPI

IC - C08F2/50 ; C08F20/18 ; C08F20/20 ; C08F26/10 ; C08F299/02 ; C09D4/02

KS - 0013 0106 0115 0124 0157 0160 0172 0204 0206 0224 0226 0906 0908 0909 1170 1172 1173 1233 1235 1236 1279 1291 1588 2066 2068 2079 2102 2108 2122 2123 2423 2432 2437 2513 2654 2726 2805 3152

MC - A02-A09 A12-L02C E10-A01 G06-D04 G06-F03B

M3 - [01] B205 B215 B233 B720 B752 B805 B819 B829 B831 C000 C053 C100 C101 C108 C200 C316 C540 C550 C720 C800 C801 C802 C803 C804 C805 C806 C807 G010 G019 G100 K0 L7 L730 M1 M121 M144 M280 M320 M411 M510 M520 M532 M540 M640 M903 M904 Q345 Q347 R043; 9305-B9201-U

PA - (BRER) BROTHER KOGYO KK

PN - JP4363309 A 19921216 DW199305 C08F20/18 004pp

PR - JP19910139056 19910611

XA - C1993-017735

XIC - C08F-002/50 ; C08F-020/18 ; C08F-020/20 ; C08F-026/10 ; C08F-299/02 ; C09D-004/02

AB - J04363309 Photocurable resin compsns. comprising (1) cpds. contg. radical polymerisable unsatd. gps., (2) metal allene cpds. and (3) organic pigments, and also (4) aromatic iodonium cpds..

- Cpd. (1) includes N-vinyl-2, -pyrrolidone, bisphenol-A di (meth)acrylate, tripropyleneglycol di(meth)acrylate or pentaerythritol tri(meth)acrylate. Pref. (2) includes cpd. of the formula (I). Cpd. (3) includes coumarin dyestuff, merocyanine dyestuff, thiazine dyestuff, cyanine dyestuff, azo dyestuff, quinoline dyestuff, anthra-quinone dyestuff or stilbene dyestuff. (4) includes cpds. of the formula (II).

- USE/ADVANTAGE - For photoresists or image forming materials. Compsn. is cured by irradiating visual rays at higher sensitivities.

- In an example: 10 g of a mixt. consisted of polyethyleneglycol diacrylate and pentaerythritol hexaacrylate (3:4, 1.5 g of metal allene cpd. of the formula (III), 0.5 g of methylene blue and 0.5 g of diphenyliodonium bromide are mixed well by applying ultrasonic wave at 100 deg.C to give the photocurable resin compsns.. Compsn. is coated on a polyester film (thickness = 50 micron) with a bar coater and is irradiated (670 nm). Coated layer is cured at 1460.06 erg/cm². "X" = gps. contg. benzene ring.; Y = anions e.g. BF₄-, PF₆-, AsF₆-, SbF₆-; M = metal e.g. Fe, Ni, Co; Y1 = monovalent anions e.g. halogen, OH-, HSO₄-, BF₄-, PF₆-, AsF₆-".

- (Dwg.0/0)

CN - 9305-B9201-U

IW - VISUAL RAY CURE RESIN COMPOSITION PHOTORESIST COMPRISE COMPOUND
CONTAIN RADICAL POLYMERISE UNSATURATED GROUP METAL ALLENE COMPOUND
ORGANIC PIGMENT AROMATIC IODONIUM COMPOUND

IKW - VISUAL RAY CURE RESIN COMPOSITION PHOTORESIST COMPRISE COMPOUND
CONTAIN RADICAL POLYMERISE UNSATURATED GROUP METAL ALLENE COMPOUND
ORGANIC PIGMENT AROMATIC IODONIUM COMPOUND

BEST AVAILABLE COPY

(C) WPI/Derwent

NC - 001

OPD - 1991-06-11

ORD - 1992-12-16

PAW - (BRER) BROTHER KOGYO KK

TI - Visual ray-curable resin compsns. for photoresists - comprise cpds.
contg. radical polymerisable unsatd. gp(s)., metal allene cpds.,
organic pigments and aromatic iodonium cpds.

3201 AVAILABLE COPY